

What is claimed is:

1. An inspection apparatus for electrical inspection of a printed board having a plurality of contacts thereon, comprising:

a fixed unit having a control device;

a moving unit having a plurality of contact terminals that are respectively brought into contact with the plurality of contacts on the printed board;

a plurality of first wires directly connected with the plurality of contact terminals in the moving unit;

at least one connection switching device arranged in the moving unit, for selectively switching over the plurality of first wires in response to connection switching signals;

a connection switching signal transmitter arranged inside of the fixed unit, for transmitting the connection switching signals;

a connection switching signal receiver arranged inside of the moving unit, for receiving the connection switching signals;

a plurality of second wires for transmission of the connection switching signals from the fixed unit to the moving unit; and

a plurality of third wires, the number of which is less than the number of the first wires and which is arranged between the fixed unit and the moving unit, for establishing connections between the fixed unit and a part of the first wires, which are switched over in response to the connection switching signals.

2. An inspection apparatus according to claim 1, wherein the connection switching signals are transmitted from the fixed unit to the moving unit in

time-division multiplexing.

3. An inspection apparatus according to claim 1, wherein the fixed unit further comprises a measurement device that sends inspection signals via the third wires to the contact terminals, from which the inspection signals are returned thereto so as to perform measurement.